| PHOSPHORUS (COLORIMETRIC, ASCORBIC ACID, TWO REAGENT) by EPA 365.3 | | | | | |
|--|---------------------|---|---|-----|----------|
| Facility Name: | VELAP ID | | | | |
| Assessor Name:Analyst Name: | Inspection Date | | | | |
| Relevant Aspect of Standards | Method Reference | Υ | N | N/A | Comments |
| Records Examined: SOP Number/ Revision/ Date | te Analyst: | | | | |
| Sample ID: Date of Sample Preparation: | Date of Analysis: | | | | |
| If the analysis was not performed on the day of collection, were samples preserved with 2 mL of H ₂ SO ₄ /Liter and stored at 4°C? | 3.3 | | | | |
| Did the spectrophotometer or filter photometer a light path of 1 cm or longer? | 6.1 | | | | |
| Total Phosphorus Digestion | | | | | |
| After the additions of 11 N sulfuric acid and ammonium persulfate, were sample aliquots either boiled for 30-40 minutes or heated in an autoclave at 121°C/15-20 psi for 30 minutes? | 8.1.1 8.1.2 | | | | |
| Was bisulfite added to sample aliquots containing arsenic or high levels of iron and those samples heated for 30 minutes at 95°C? | 8.1.3 | | | | |
| Hydrolyzable Phosphorus Prep | | | | | |
| Was sulfuric acid added to sample aliquots followed by boiling for either 30-40 or a final volume of about 10 mL was reached? | 8.2.1 8.2.2 | | | | |
| After cooling, were samples filtered? | 8.2.2 | | | | |
| Was bisulfite added to sample aliquots containing arsenic or high levels of iron and those samples heated for 30 minutes at 95°C? | 8.2.3 | | | | |
| Determinative Orthophosphorus Analysis | | | | | |
| (Done as Analytical determination after the above preparations or on its own if orthophosphorus is the only target analyte.) | 2.2 | | | | |
| Was 11 N sulfuric acid followed by ammonium molybdate-antimony potassium tartrate added to sample aliquots? (Do not add sulfuric at this point if it was added for total phos or hydrolysable prep.) | 9.3.1 | | | | |
| Was ascorbic acid added to sample aliquots next followed by mixing? | 8.3.2 | | | | |
| Were standards and samples allowed to stand for at least 5 minutes prior to analysis after addition of ascorbic acid? | 8.3.3 | | | | |
| Were absorbances measured at 650 nm? | 8.3.3 | | | | |
| Were sample concentrations determined from a standard curve? | 8.3.3 | | | | |
| Notes/Comments: | | | | | |